

GLUSHENKO, N.V.; IVANCV, V.K.

Paleolimulus from the lower Permain of the Donets Basin. Paleont. zhur. no.2:128-130 '61. (MIRA 14:6)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo gaza.

(Novoselovka region (Stalino Province)--Xiphosura, Fossil)

BOCHINSKIY, M.P., inzh.; GAYDASH, B.I., inzh.; GLUSHERKO, V.H., inzh.; iVAKHIN, S.I., inzh.

Concerning the design of bur insulators for the centact networks of electrified resilrends. Vest. elektroprom. 21 nc.8:12-14 Ag '60. (MIRA 15:5)

(Electric resilrends—Wires and wiring)

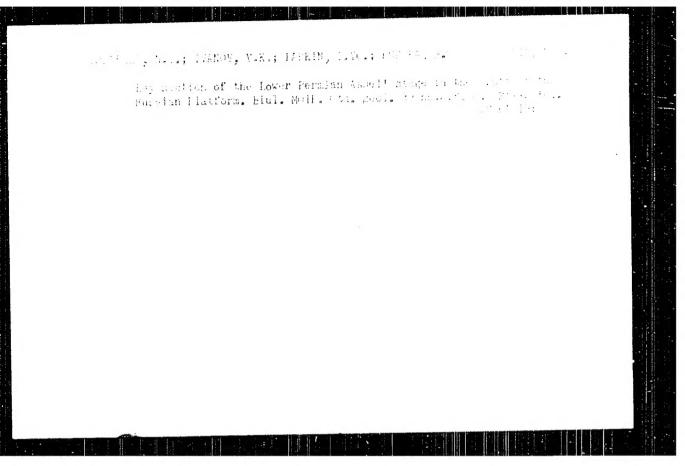
(Electric insulators and insulation)

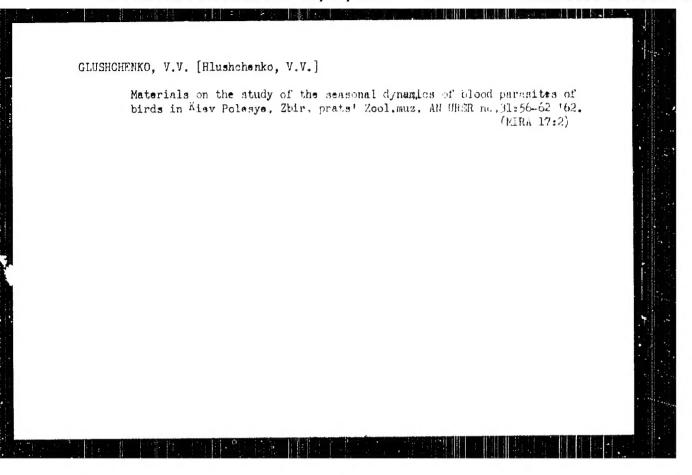
GLUSHENKO, N.V.; IVANOV, V.K.; LAPKIN, I.Yu.; PODOBA, B.G.; SHCHEGOLEV, A.K.

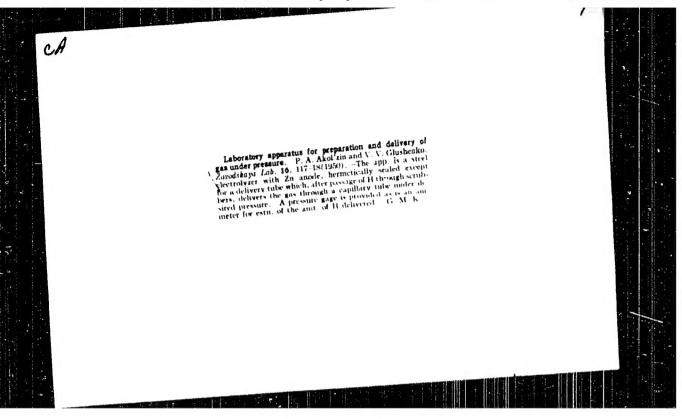
Flora of the red sill in the Schwagerina strata of the Donets
Permian. Dokl.AN SSSR 145 no.1:157-159 Jl 162. (NIRA 15:7)

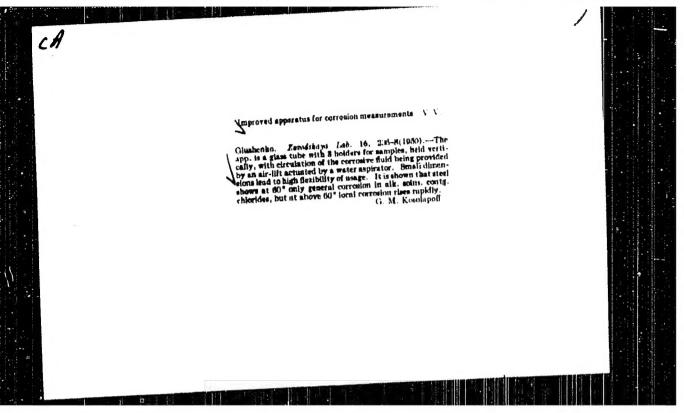
1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel skogo
instituta prirodnogo gaza. Predstavleno akademikom A.L.Yanshinym.

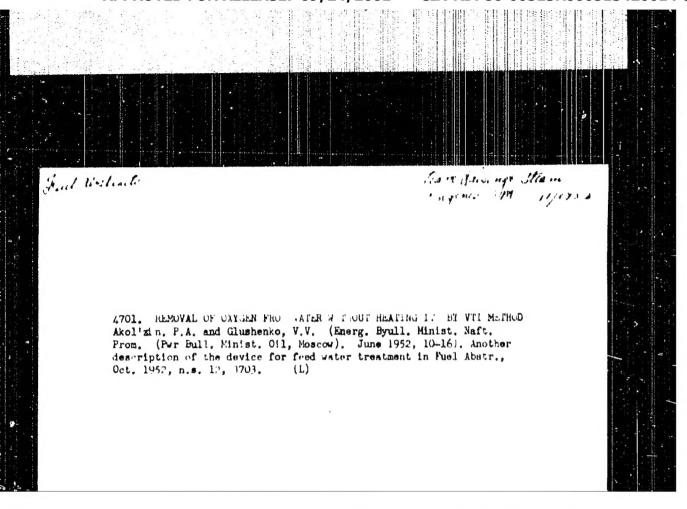
(Bakhmut region--Paleobotany, Stratigraphic)





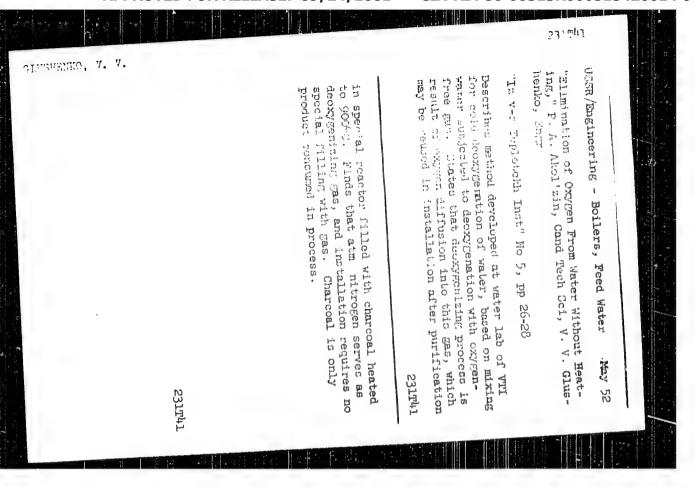






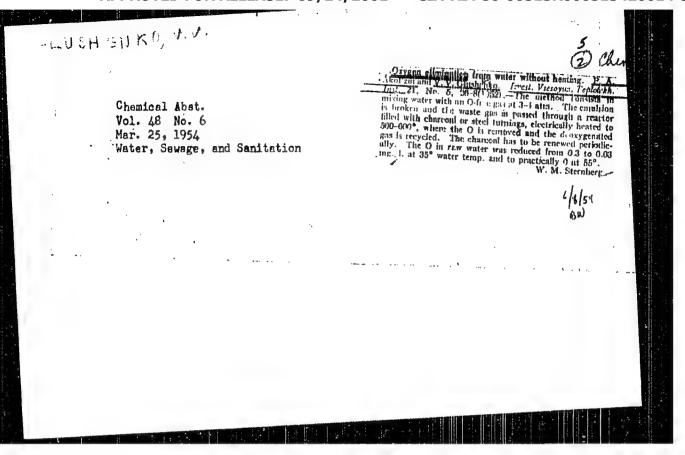
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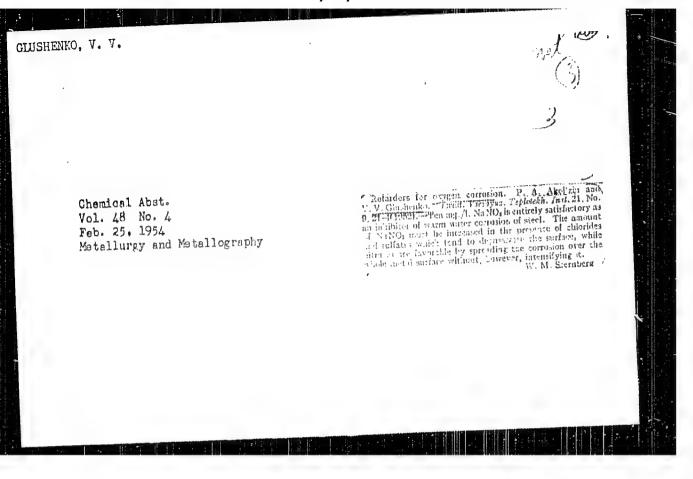
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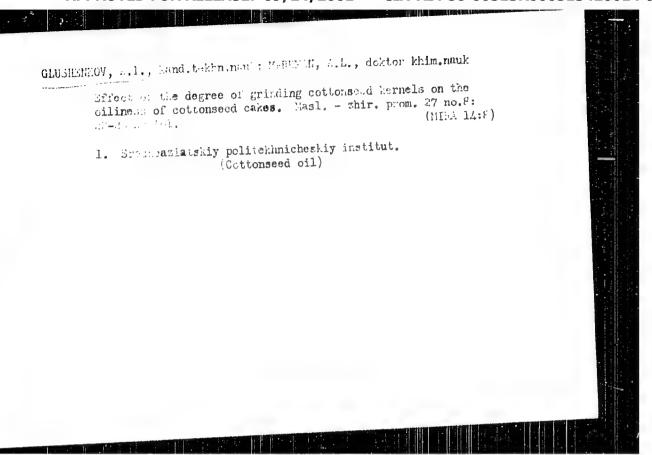


AKOL'ZIN, P.A. doktor tekhn. nauk; GLUSHENKO, V.V., insh.; LAZAREVA, K.I., insh.; GHISTYAKOV, A.I., insh.

An installation for de-oxygenation of water. Teploenergetika 4 no.12: 54-57 D '57.

1. Vsesoyuznyy teplotekhnicheskiy institut.

(Feed-water purification)



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. . . . 5.13 6.5.20  $(1+1)^{n-1}\cdots + (-1+1)^{n-1}$ Services and tornioge, R. D., Not by the S. N. N., Karma. AUTHORS: M. Ya., Glasherko., V. A. Conversión Organia Residativa. III. Contresión et de a TITLE: ego-Divingh Arylm cropps emethyd bithioph . That o Zhughal obshehey Gidrill, 1980, 201 m., Red., in conseque PERTODICAL: (MACR) A series of 0.0-diality anylmentation divide a fire-plates (the majority of which the assume that first to describe) were establish in the contaction ABSTRACT: (RO) PRODUCT CHOR Care on (RO) FARMA ARCH Pennance, alechol, or other role into the large recomment redical with the diship, diships, appears in the less were used in this reservion. He to picel teste when made by P. V. Popou and N. S. Ekrain de ent coved that he dimethyle and 0.0-diships anyims can be morned diship page pireto (see Table) were the sest estimate in all instant Card 1/3

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ASSOCIATION:

Setentiate Institute of Fertilizer and P.
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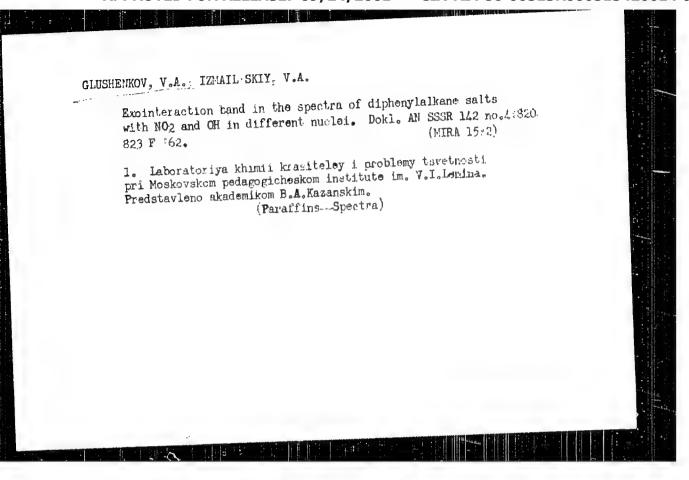
#### "APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420014-9

Absorption spectra of diphenylmethane and diphenylethane derivatives containing nitro and amino groups in the different rings. Sold. AN USSN 13- no.2:373-376 Jl '61. (MTM. 14:7)

1. Laboratoriya khimil krasiteley i problemy toveth sti gri Moskov. Ann gesudar tvennom; edagogicheskom institute im. V.I. lenina. Produtavleno mkademikom J.A. Kazanakim.

Produtavleno mkademikom J.A. Kazanakim. (Methane-Spectra)



GLUSHENKOV, V.A.; IZMAILISKIY, V.A.; MCCHKOVCKIY, Yu.Sh.

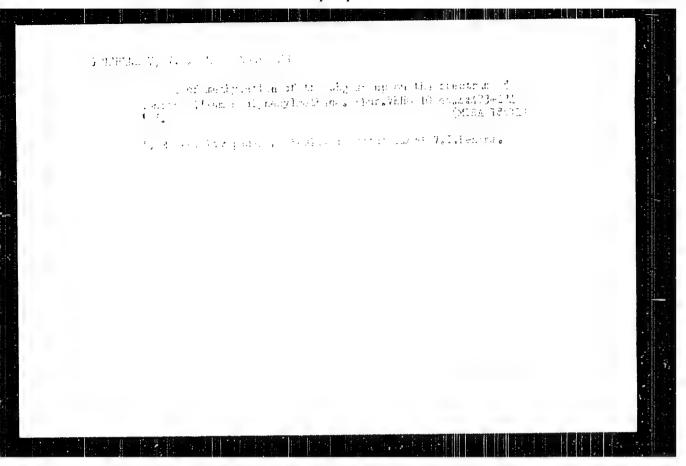
Spectra of the electron donor-acceptor complexes of A-mitro-diphenyl alkanes containing a donor group in the other nucleus. Electron paramagnetic resonance effect. Dokl. AN SSSR 153 no.6:1363-1366 D to3. (MIRA 17:1)

1. Gosudarstvennyy nauchno-issledovateliskiy institut organicheskikh poluproduktov i krasiteley, Institut khimi-cheskoy fiziki AN SESR i Moskovakly gosudarstvennyy pedago-gicheskiy institut im. V.I. Lenina. Prestavleno akademikom A.N. Tereninym.

GLUSHENKOV, V.A.

Sifect on the spectrum of a berzoylamino group in the p-nitrodiphenylalkane series. Zhur. VKHO 9 no. 2:239-240 '64. 'MIRk 17:9)

1. Moskovskiy pedagogicheskiy institut imeni Lenina.



ACCESSION NR: AP4043457

5/0115/64/000/007/0027/0029

AUTHOR: Glushenkov, V. N.

TITLE: Instrument for measuring time intervals

SOURCE: Izmeritel'naya tekhnika, no. 7, 1964, 27-29

TOPIC TAGS: timing device, time measurement, time interval counter

ABSTRACT: A new time measuring instrument is based on a comparison of the measurand with a reference electric-signal delay; the latter is produced by ferrite-transistor storage units (operating at 100 kc and lower) and LC lines with a wide passband. This combination permits adjusting the reference delay from 0 to 100 msec with an error of 0.1 microsec. The minimum step, 10 microsec, is provided by the max frequency 100 kc, and the intervals, 0.1-10 microsec, by LC lines. The instrument includes a quartz-controlled oscillator whose frequency can be adjusted in accordance with an external reference oscillator.

Card 1/2

ACCESSION NR: AP4043457

The instrument uses 120 P15 transistors, 5 6N3P tubes, and 1 6P14P tube; its dimensions are 280 x 470 x 230 mm; weight, 10 kg; power supply, 220 v a-c, 50 cps; power consumption, 80 va. Orig. art. has: 3 figures.

. ASSOCIATION: none

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ENGL: 00

SUB CODE: IE

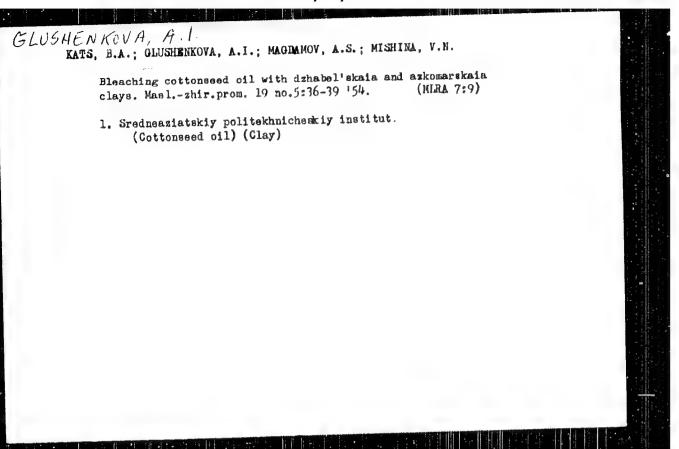
NO REF SOV: 000

OTHER: 000

Card 2/2

- 1. GLUSHAMKOVA, A. I.
- 2. 8332 (600)
- 4. Power Presses
- 7. Effect of the cooling of the horizontal expeller barrel in dual-action screw presses on the processing of cotton seeds. Masl. whir. prom 17 no. 5, 1952.

Monthly List of Mussian Accessions, Library of Congress, February 1953. Unclassified.



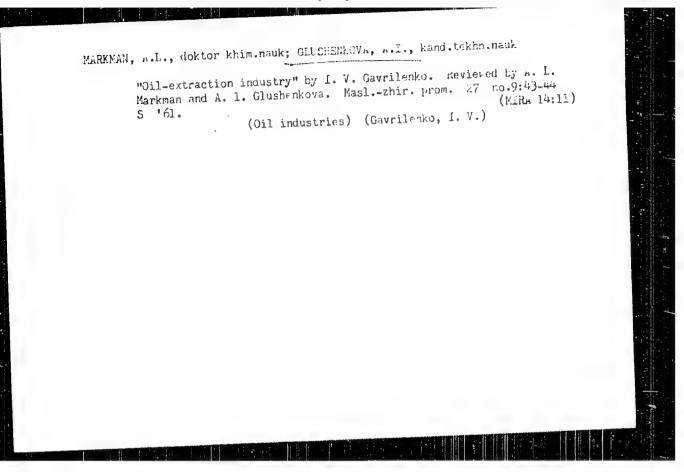
MARKMAN, A.L., doktor khim.nauk; KATS, B.A., kand.tekhn.nauk; GLUSHEEKOVA, A.I., kand.tekhn.nauk

Saventy-five years of the dottonseed-oil extraction industry of Uzbekistan. Masl.-zhir.prom. 25 no.10:5-10 159.

(MIRA 13:2)

1. Sredneazitskiy politekhnicheskiy institut.

(Uzbekistan--Cottonseed oil)



MARKMAN, a.L.; GLUSHENKOVA, A.I.

Processing unhulled cottonseeds by extraction method without preliminary pressing. Izv. vys. ucheb. zav.; pishch. tekh. no.5:49-22
'61. (MIRA 15:1)

1. Tashkentskiy politekhnicheskiy institut. hafedra tekhnologii
rastitel'nykh zhirov.

(Gottonseed oil) (Extraction (Chemistry))

#### "APPROVED FOR RELEASE: 09/24/2001

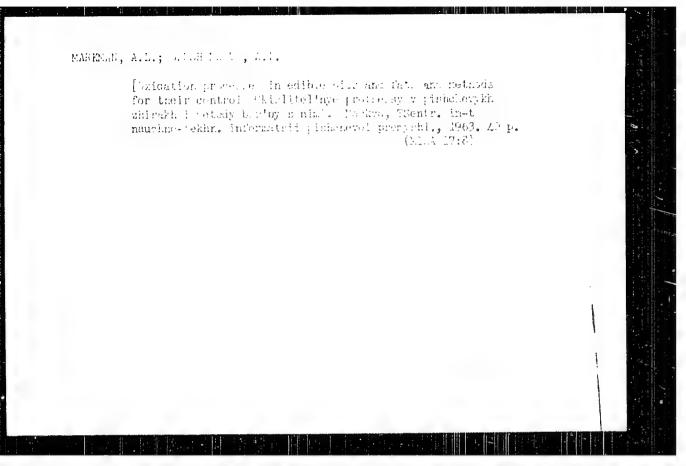
CIA-RDP86-00513R000515420014-9

MASLIKOV, Vladimir Arkhipovich; LEONT'YEVSKIY, K.Ye., kand. tekhn.nauk, retsenzent; GLUSHENKOVA, A.I., kand. tekhn. nauk, dots.; KHMEL'NITSKAYA, A.Z., red.; SATAKOVA, A.M., tekhn. red.

[Technological equipment for the production of vegetable oils] Tekhnologicheskoe oborudovanie prolzvodstva rastitel'nykh masel. Moskva, Pishchepromizdat, 1962. 428 p. (MIRA 16:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Leont'yevskiy). 2. Kafedra tekhnologii zhirov Srednenziatskogo politekhnicheskogo instituta (for Glushenkova).

(Oll industries—Equipment and supplies)



MARKMAN, A.L.; GLUSHENKOVA, A.I.

Seed oil of Goebelia pachycarpa. Uzb.khim.zhur. 7 no.1:81-85
(MIRA 16:4)

163.

1. Institut khimii rastitel'nykh veshchestv AN UzSSR.
(Oils and fats)
(Leguminosae)

GUNDERS HOLDING SEEDS DESCRIPTION

AKRAMOVA, A.S.; GLUSHENKCVA, A.I.; MARKMAN, A.L.; STEPAHENKC, G.A.; UMAROV, A.U.; CHERNENKO, T.V.

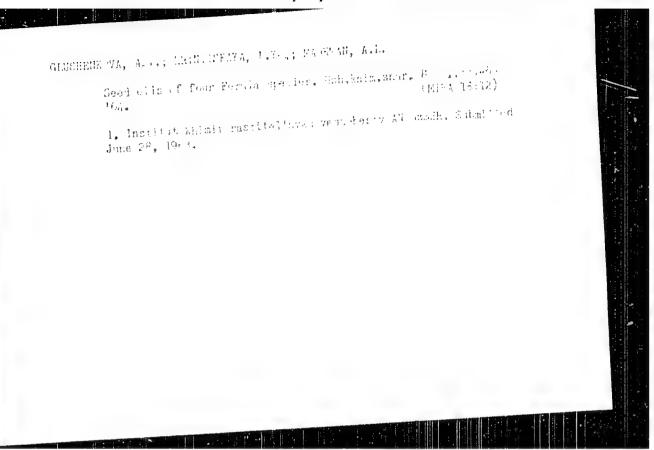
Oilseeds of some species of leguminous plants. Uzb. khim. zhur. 8 no.6: 31-36 \*64. (MIRA 18:4)

1. Institut khimii rastitelinykh veshchestv AN UZSSR.

MARKMAN, A.L., doktor khim.nauk; GLUSHENKOVA, A.T., kand.tekhr.nauk;
KRIBITSKAYA, L.Ye., inzh.

Determining the amount of resin acids in mixtures with fatty acids.
Masl.-zhir.prom. 30 no.2:36-37 F '64. (MIRA 17:3)

1. Institut khimii rastitel'nykh veshchestv AN UGISR.



AVAZOVA, M.A.; GLUSHENKOVA, A.I.; MARESAN, A.L.

Seed oil of Haplophyllum versicolor. Uzb. khim. anur. 9 nc.5:
43-47 165. (Mt.A 12:12)

1. Institut khimii rastitelinykh veshchestv AN Juddf. Submitted
May 23, 1064.

GORBUNOV, Vladimir Pavlovich; PAVLOVA, Anna Mikhaylovna; GLUSHENKOVA,
Nina Ivanovna; LEREDEV, S., red.; ABBASOV, T., tekin. red.

[For two crops a year] Za dva urozhaia v god. Tashkent, Gosizdat UzSSR, 1963. 38 p. (MLRA 16:5)

(Uzbekistan--Feeds)

GORLENKO, M.V.; GLUSHENKOVA, T.I.

Biology of the causative agent of common corn smut (Untilago zeae (Backm) Unger). Nauch.dokl.vys.shkoly;biol.nauki no.3: 106-109 '58. (MIRA 11:12)

1. Predstavlena kafedroy nizshikh rasteniy Moskovskogo gosudar-stvennogo universiteta imeni M.V.Lononosova. (Corn (Maize)--Diseases and pests) (Smuts)

MITIN, Yu. V.; GLUSHENKOVA, V. R.; VLASOV, G. P.

Reactions of isonitriles with amine salts. Zhur. ob. khim. 32
no.12:3867-3871 D <sup>3</sup>62. (MIRA 16:1)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

(Isocyanides) (Amines)

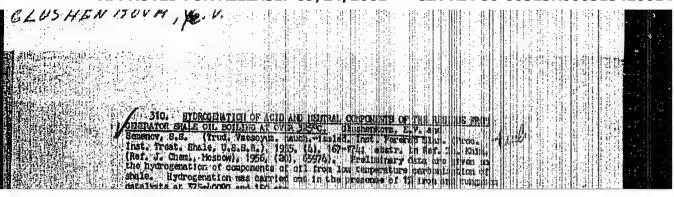
TSVETKOV, V.N.; MITIN, Yu.V.; GLUSHLIKOVA, V.R.; GRISHCHERKO, A.Ye.;

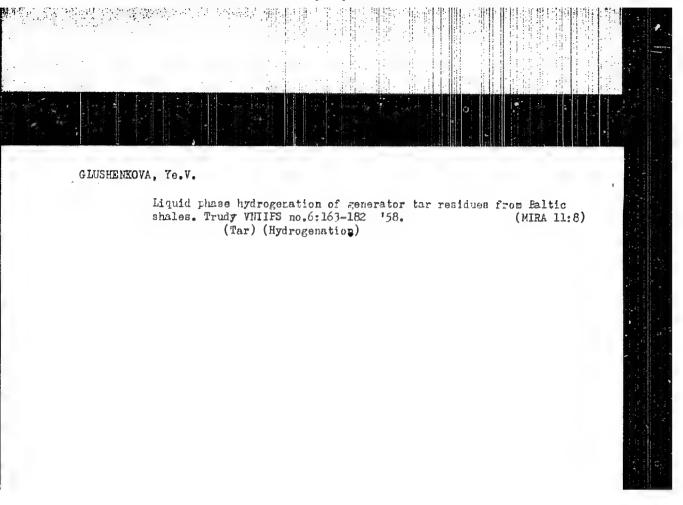
BOYTSOVA, N.N.; LYUZRIA, S.Tz.

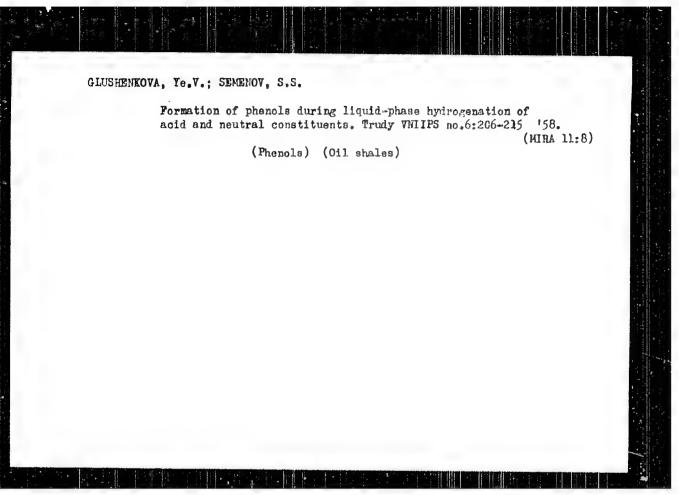
Electric and dynamic birefringence of poly - V-benzyl-L-glutemate solutions. Vysokom.sood. 5 n..3:453-459 Mr '63. (MIRA 16:3)

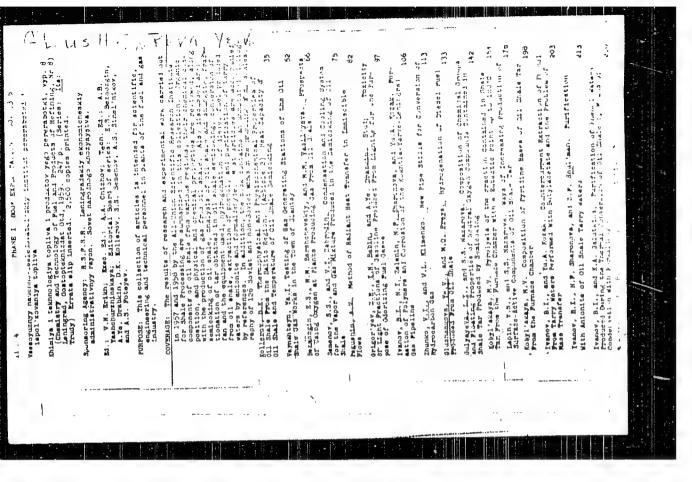
1. Institit vysokomolekulyarnykh soyedineniy AN SSSR i Fizicheskiy institut Leningradskogo gosudarstvennogo universiteta. (Glutamic acid--Optical properties) (Refraction, Double)

TSVETEOU, V. G. : this great, and the state of the content of the





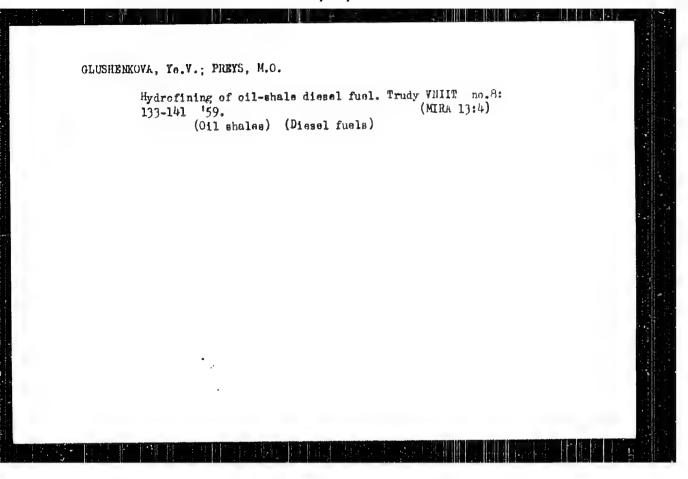


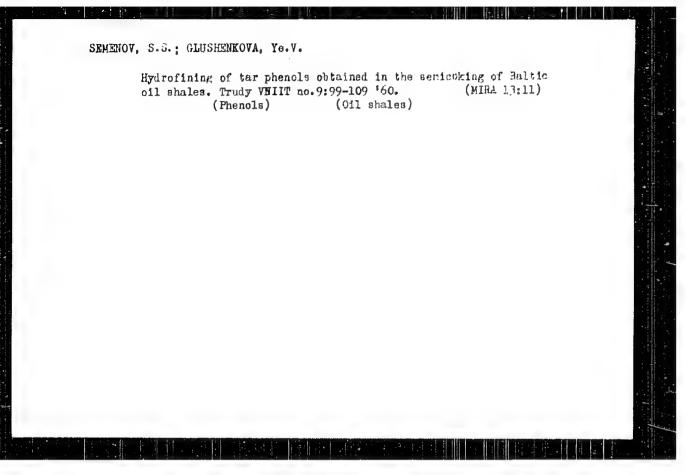


KOBYL'SKAYA, M.V.; SEMENOV, S.S.; GLUSHRHEOVA, Ye.V.; SHUL'MAN, Z.F.

Composition and methods of processing retort gasoline obtained during the gasification of Baltic oil shales. Trudy Y:HIPS no.7: 209-216 '59. (MIRA 12:9)

(Oil shales) (Gasoline)





SEMENOV, S.S.; CLUSHENKOVA, Ye.V.; FOKSHINA, N.D.

Composition and properties of asphalite found in a shale hed of one of the mines of the "Slantsy" combine. Trudy VNIIT no.10:23-28 '61.

(Shale)(Asphaltite)

(Shale)(Asphaltite)

S/672/62/000/011/006/011 D403/D307

Glushenkova, Ye. V., Zabrodkin, A. G., Liyeva, V. Yu. AUTHORS:

and Semenov, S. S.

Adhesive resins from hydrogenation phenols TITLE:

Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut pererabotki i ispol'zovaniya topliva. Trudy. no. 11, SOURCE:

1962. Khimiya i tekhnologiya topliva i produktov yego

pererabotki, 120-126

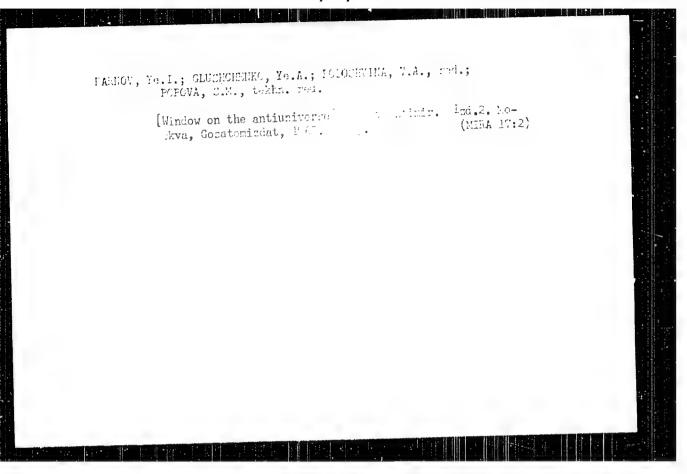
TEXT: The present work is an indirect continuation of earlier studies at TsNIIFM, together with Institut slantsey ESNKh (Shale Institute ESNKh) (Trudy In-ta slantsev ESNKh, no. 9, Gostoptekhizdat, 1960) and VNIIT (Trudy VNIIT, no. 9, Gostoptekhizdat, 1960); the investigation was directed at using the substances obtained by the hydrogenation purification of shale phenols as the raw material hydrogenation purification of shale phenols as the raw material for the production of adhesive resins. Hydropurification phenols (I) and phenols obtained during the hydrogenation of generator tar residues above 325°C (II) were used to make the resins. The adhe-Card 1/2

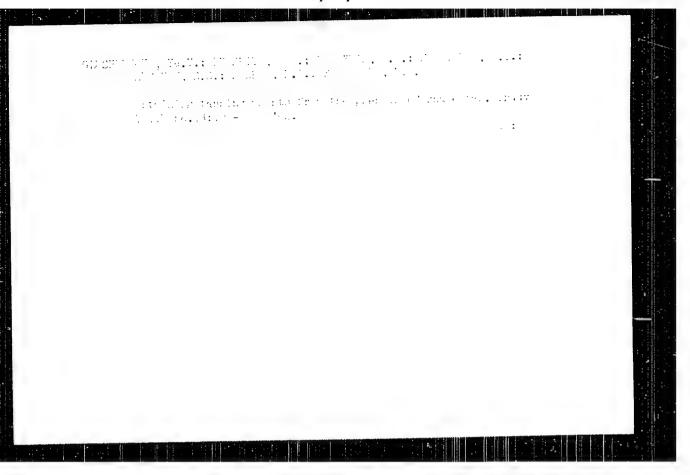
Adhesive resins from ...

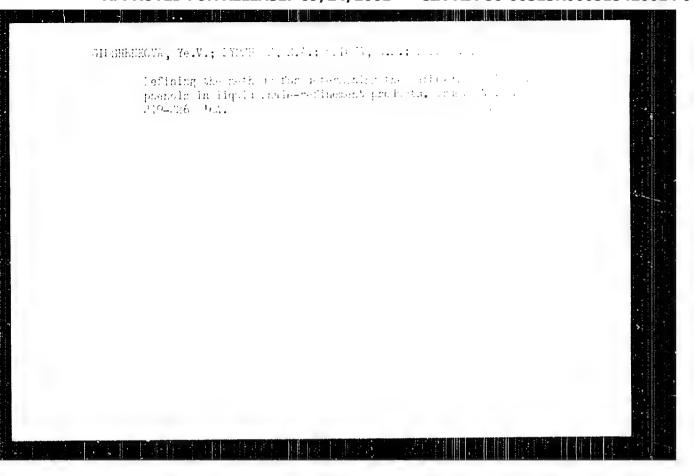
S/672/62/000/011/006/011 D403/D307

sives were tried on plywood and bakelite-treated plywood, at 140 - 150°C, and under 18 - 23 and 35 - 40 kg/cm² respectively. It was found that I and II resins may be used as adhesives with additions of 25% of tricresol by weight. In the absence of additives I and II resins may only serve as adhesives of the pressing times are increased by 50 - 100%. The adhesives are also improved by additions of 5.8 - 6.5% of resorcinol or technical dimethylresorcinol; such glues are suitable for bakelite-treated plywood. There are 7 tables.

Card 2/2



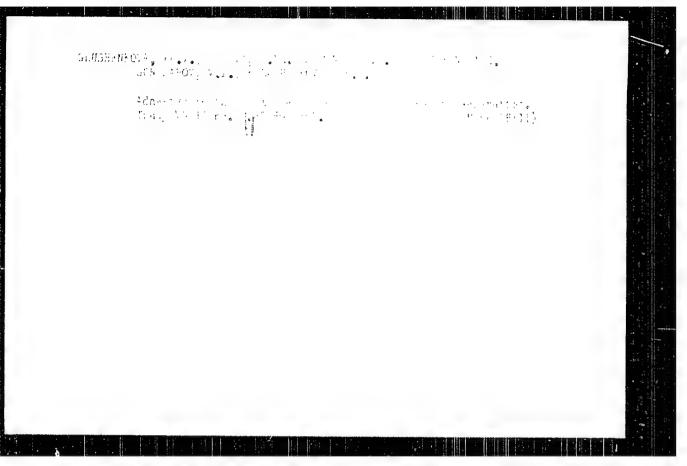




SEMENOV, S.S.; GLUSHENKOVA, Ye.V.; BEOY-XAPPE, G.V.; DOKCEISA, N.P.;
TIMANOVA, Ye.3.

Obtaining benzenecarboxylic acid by oxidizing the residues
of generator shale tar and phenols boiling above 200° C.

Trudy VNIIT no.12:69-77 '63. (MTRA 18:11)



OTTO, D.D.; SPIVAK, Yu.M.; FORCMAREV, V.D.; Prinimal uchastive: GLUSHENGK, D.A.

Universal laboratory autoclave for studying desiliconization.

Trudy Inst.met.i obog. AN Kazakh.SUR 11:62-66 164.

(MIRA 18:4)

#### "APPROVED FOR RELEASE: 09/24/2001

#### CIA-RDP86-00513R000515420014-9

EWT(d)/EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(1)/ EWA(C) FWE(L) JD:/HW ACC NRI AP6000596 UR/0133/65/000/012/1113/1114 AUTHOR: Tochilkin, M. M.; Glushets, V. R. ORG: Dnepropetrovsk Project-Design Technological Institute (Dnepropetrovskiy proyektnokonstruktorskiy tekhnologicheskiy institut) TITLE: Fuller utilization of the structural-strength and power characteristics of the "2800" plate mill SOURCE: Stal', no. 12, 1965, 1113-1114 TOPIC TAGS: rolling mill, structural strength, electric motor, low carbon steel, low alloy steel/"2800" plate mill ABSTRACT: The "2800" plate mill at the Kommunar Hetallurgical Flant consists of a scalebreaker with vertical rolls, a two-high breakdown stand and a four-high finishing stand and is designed to roll plate measuring 8-50x1500-2500 mm, up to 20 m long, from slabs weighing (in bulk) 1.75-7 tons and measuring 130-300x800-1500x1500-2500 mm. Owing to the installation of a new continuous furnace at the Kommunar Metallurgical Plant, it became necessary to determine the potential for increasing the productivity of the plant's "2800" plate mill as regards its structural strength and the power of its motor drives. To this end, a complex investigation of the mill's two-high breakdown stand and four-high finishing stand was carried out. The rolls of the two-Card 1/2 621.771.23

7-

#### L 12143-66

#### ACC NR: AP6000596

high stand are individually driven by 2950-HP (2160-kw) motors, while the rolls of the four-high stand all are driven by a single common 6250-HP (4600-kw) motor. Observations of the rolling of 303 slabs of various steels, with recording of mechanical and electric parameters for both stands, showed that during the rolling of low-carbon steels the total pressure (900-950 tons) exerted by metal on the rolls of the breakdown and finishing stands is lower than the permissible pressure from the stand-point of structural strength (1970 tons). As indicated by the oscillographic traces, the effective-current potential of all the motor drives is considerably underutilized. The roughing regimes for the rolling of low-carbon, medium-carbon and low-alloy steels may be considerably intensified, which will increase by 10-15% the mill's productivi-// ty. Orig. art. has: 1 figure, 1 table.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 000

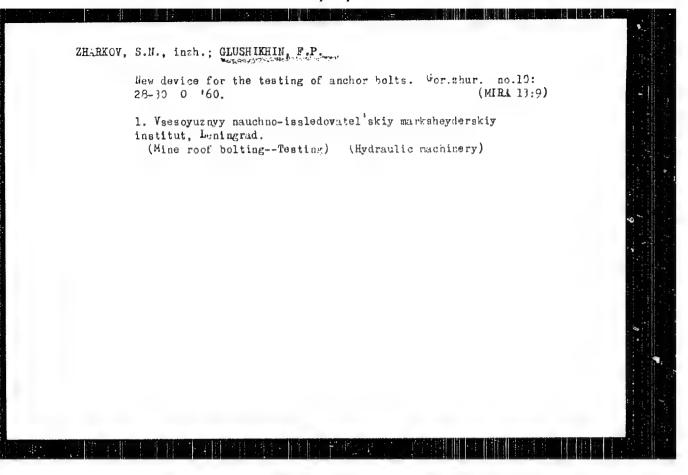
Card 2/2

TOTRIERIN, T.M., myn.; GLUSHETS, V.B., inwh.

Fower perameters in sheet rolling on a SECC moli. Start 25

coll.:113-114 D '65. (Vira 18:12)

.. Duepropetrovskiy proyektno-konstruktorskiy takhnologicheskiy
institut.



KUZNETSOV, S.T.; DOLIESKIY, M.M.; GLESHINHIM, F.P.

Results of the testing of the A-3 mining machine unit in the Kuznetsk Basin. Ugol' 36 no.6:30-33 Je '61. (MIRA 14:7)

(Kuznetsk Basin--Coal mining machinery)

GLUSHIKHIN, F.P., inzh.; ORLOV, A.A., inzh.

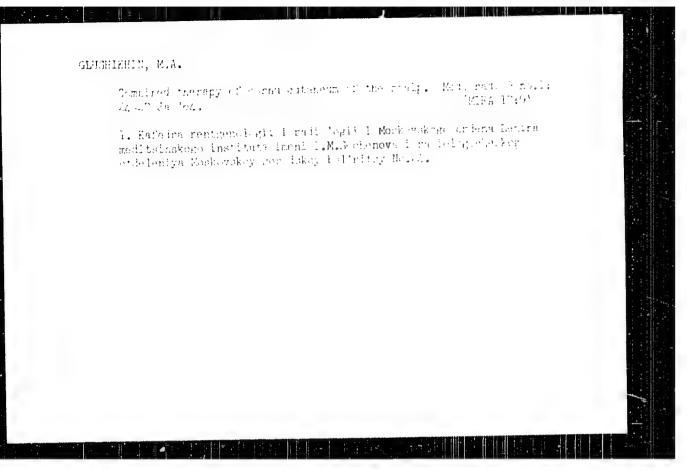
Spontaneous yielding of friction props in mines and ways to control it. Ugol' 37 no.9:21-23 S'62. (MIRA 15:9)

1. Vsosoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut. (Mine timbering)

KMLNETCHV, S.T., kand, tekhn. nauk, GINSHIRHIN, F.I., inch.

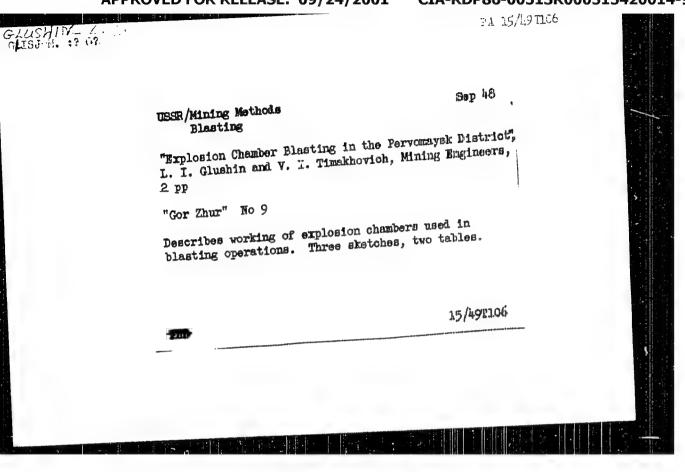
Interestion of powered supports with wall route. Ugglit
38 no.12:32-35 [63.]

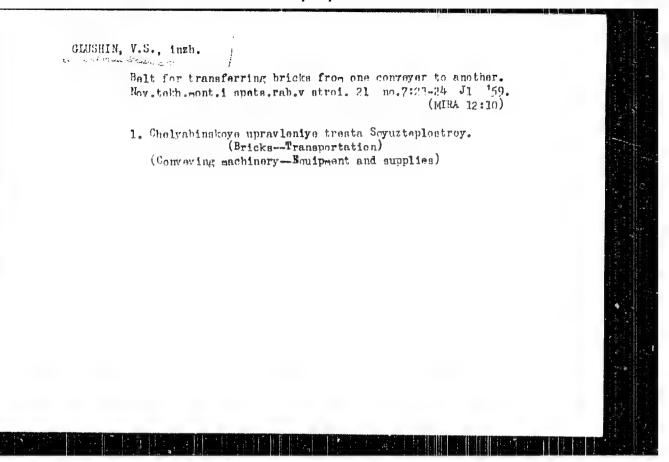
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institut.

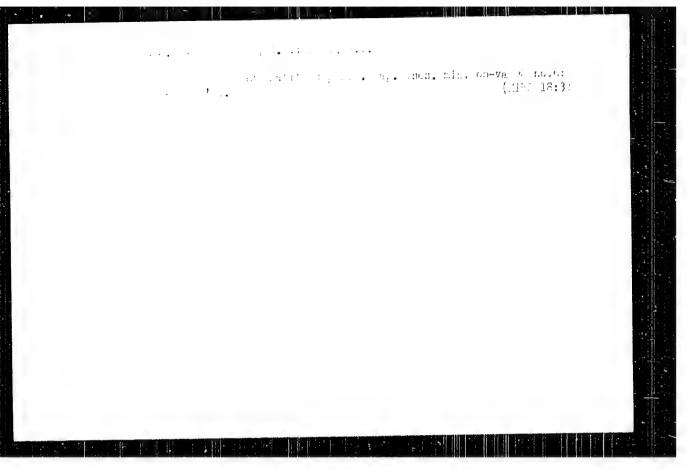


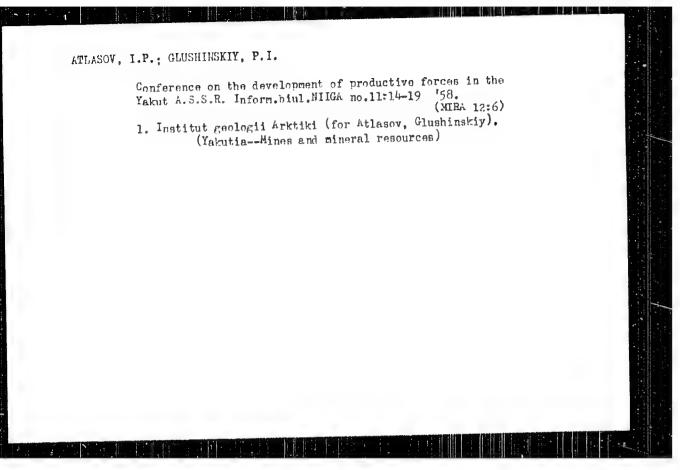
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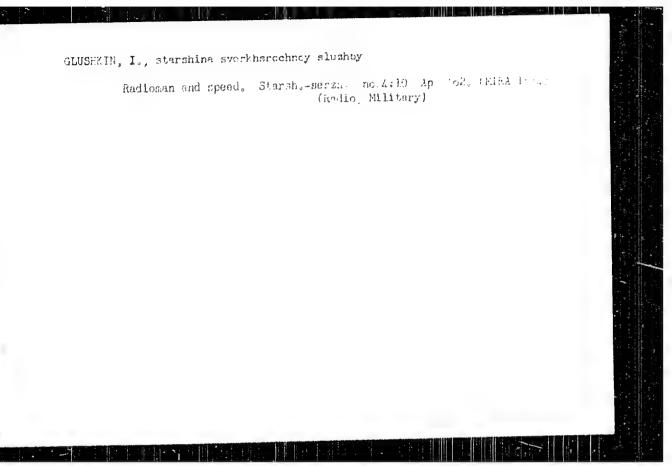
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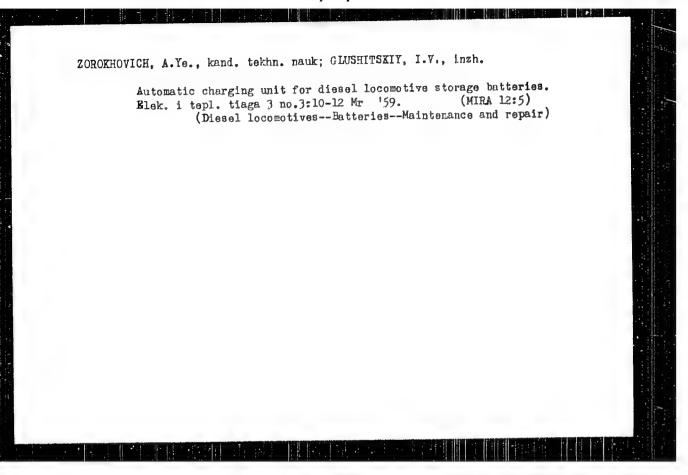


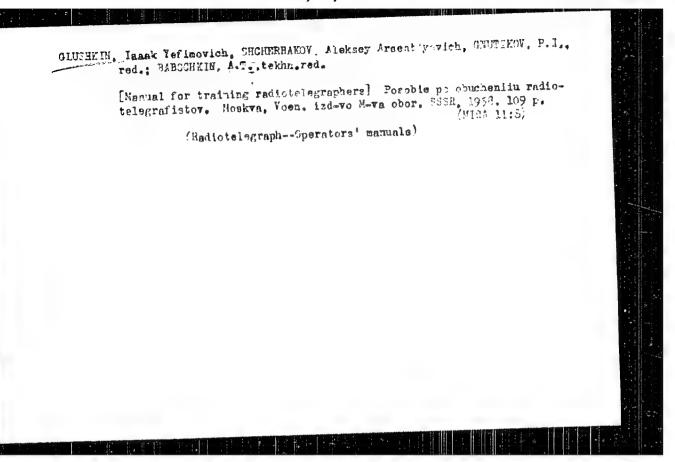


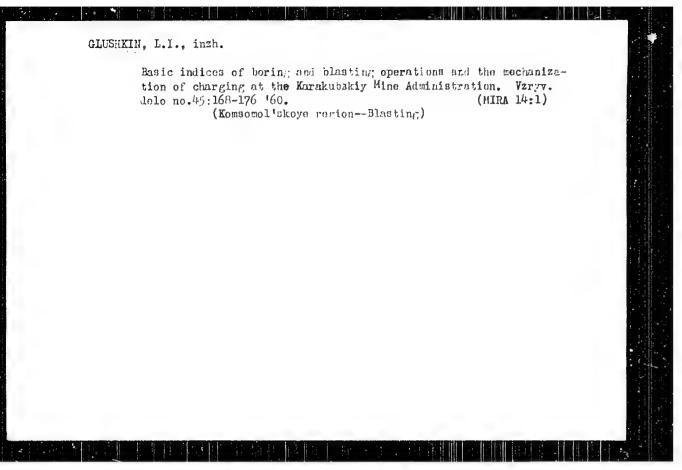
GLUSHKIN, 1.K. (Leningrad)

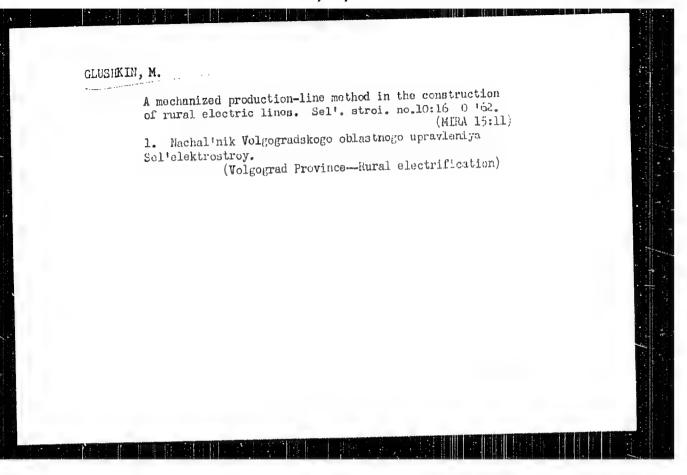
Method for registering morbidity in the polyelinic. Sov. zdrav. 21 no.5:26-29 '62.

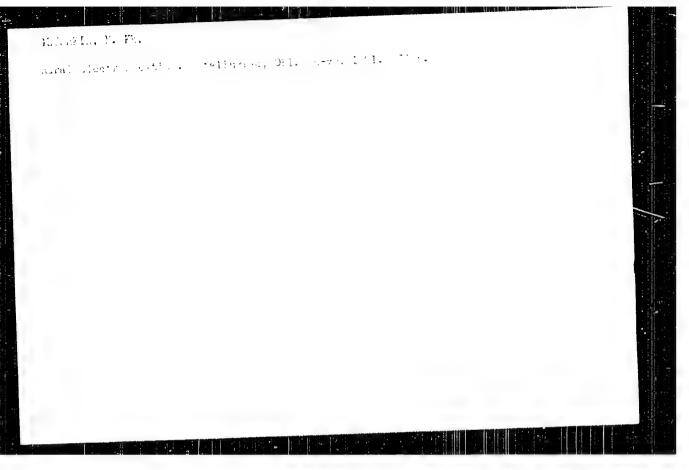
1. Iz polikliniki No.35 imeni Sof'i Perovskoy, Leningrad. (DISEASES: MPORTING)











GLUSERINA, R. B.		PA 75 <b>T</b> 85	and the state of t
	USSR/Netals Aluminum Alloys Magnesium		
	"A Quick Volumetric Method for the Determination of Magnesium in Aluminum Alloys," R. B. Glushkins, Plant imeni CGPU, 2 P		
	"Zavod Lab" Vol XIV, No 5  Method, described in detail, is based on property of citric acid which enables it to form stable com-		
	plexes with ions of aluminum, non-		
	751.93		

GLUSHKO, A., agronom; ORLOV, V., nauchnyy sotrudnik

Buffer strips help to increase winter crop yields, Mauka i pered.

op. v sel'khoz. 9 no.4:20 Ap '59. (MIRA 12:6)

l.Kolkhoz "Krasnyy Kunach" (for Glushko). 2.0rlovskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya (for Orlov).

(Grain)

ZEMLYANSKIY, N.I; PRIB, O., student IV kursa; SHARYPKINA, M., student IV kursa; KOSTENKO, A., student III kursa; GLUSHKO, A., student III kursa; KOZHEVNIKOVA, O., student III kursa; KRASIIOVSKAYA, T., student III kursa; SEREDA, N., student III kursa; PINTOVA, N., student III kursa; TSERKEVICH, G., student III kursa; SHAPKA, V., student III kursa

Condensation of aromatic hydrocarbons with halogen derivatives of aldehydes. Hauk. zap. L'viv. un. 13:129-135 149.

(MIRA 12:10)

l. Kafedra organicheskoy khimii Livovskogo gosumarstvennogo universiteta im. I. Franko. (Hydrocarbons) (Aldehydes)



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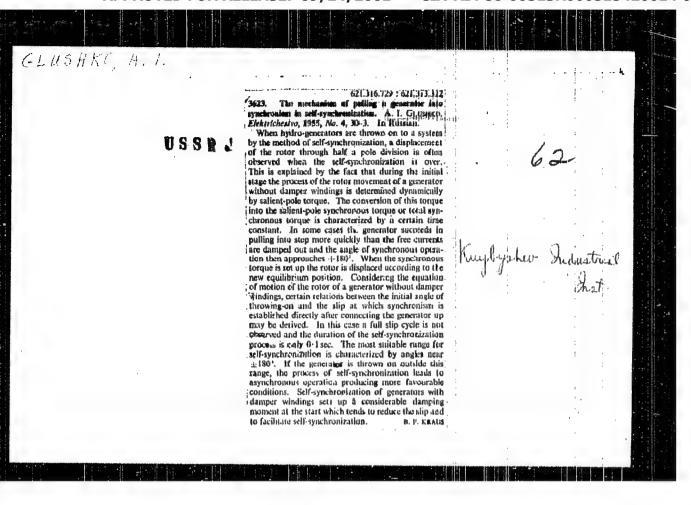
he following is assign districtions of the Peninggad Polytechnic Institute imeniualizin:

"Joineerich of lipinoelestrie sherators in the letwork by the lethod of Self-Symphronization." 28 may 1 (7). A theoret of investibation is made of the project of self-symphronization of hydroclestric enerators of two types: those with and with at dauger winding. Calculated late were compared with results of comparator sects at the losecw and Letingrad electric systems.

SO: M-1007, 27 Par 56

"APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420014-9



AID P - 2525

GLUSHKO, A. I.

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 9/32

Author : Glushko, A. I., Kand. Tech. Sci.

Title : Shock effect caused by a torque at the automatic

synchronization of hydro-electric generators

Periodical: Elek sta, 6, 28-31, Je 1955

Abstract : The calculation of torque producing mechanical

oscillations in stators is presented for generators

with and without damper windings.

Institution: None

Submitted : No date

SOV/112-57-9-18580

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 9, p 67 (USSR)

TITLE: High-Speed Excitation and De-excitation Under Transient Conditions of Operation of Hydroelectric Generators (Bystrodeystvuyushcheye vozbuzhdeniye i razvozbuzhdeniye v perekhodnykh rezhimakh raboty gidrogeneratorov)

PERIODICAL: Sb. nauch. tr. Kuybyshevsk. industr. in-t, 1956, Nr 6, kn. 1,

ABSTRACT: Sustained and transient values of stator and rotor currents in a synchronous generator are determined analytically for both cases, a three-phase short circuit and after the fault elimination; an allowance is made for highspeed excitation and de-excitation systems. A number of simplifications are introduced. The curves plotted show that the exciter response with quick fault elimination (0.5-0.75 sec) has practically no effect on the value of rotor current. For that reason, a modern excitation forcing does not increase the dynamic stability of a generator under short-circuit conditions. An appreciable effect of excitation forcing is observed only with a quick exciter response, over

Card 1/2

CIA-RDP86-00513R000515420014-9" APPROVED FOR RELEASE: 09/24/2001

GLUSHKO, A.I., kand.tekhn.nauk, dots.

Operation of a synchronous machine connected to a system of infinite capacity through a capacitor. Izv.vys. ucheb.zav.; energ. no.6:23-26 Je 158. (MIRA 11:9)

1. Kuybyshevskiy industrial nyy institut imeni V.7. Kuybysheva. (Electric power distribution) (Electric generators)

GLUSHKO, A.I., kand. tekhn. nauk dots.

Character of parametric resonance during the operation of a synchronous machine at full load. Izv. vys. ucheb. zav. energ. 3 no.2:11-17 F '60. (MIRA 13:2)

1.Kuybshevskiy industrial'nyy institut imeni V.V. Kuybysheva. Predstavlena kafedroy elektricheskikh setey i sistem.

(Electric machinery, Synchronous)

CLUSHKO, Anatoliy Ivanovich, kandstekha nauk, dottent

Effect of the saturation of steel of synchronous machines on
the solf-excitation process with a capacitive load. Lzv. vys.
ucheb. zav., elektromekh. 3 no.9:34-44 '60. (MINA 15:5)

1. Kuybyshevskiy industrial nyy institut.
(Electric machinery, Synchronous)

GLUSHKO, A.1., kand.tekhn.nauk

Equivalent circuits of transformers and autotransformers with multiple windings. Izv. vys, ucheb. zav.; energ. 4 no.2:11-19 f '61. (MIRA 14:3)

1. Kuybyshevskiy industrial'nyy institut imeni V. V. Kuybysheva.

Predstuvlona kafedroy elektricheskikh setov 1 sistem.

(Equivalent circuits)

(Electric transformers)

NAUMENKO, Ivan Artemovich, kandidat tekhnicheskikh nauk, inzhener-podpolkovnik; GLUSHKO, A.P., dotsent, kandidat tekhnicheskikh nauk, polkovnik, redaktor; KONOPEL'KO, G.M., redaktor; DHITRIYKVA, R.V., tekhnicheskiy redaktor.

[The atomic weapon and anti-atomic defense] Atomnoe orumic i protivatomnois zashchita. Moskva, Izd-70 "Znanie," 1955. 31 p. (Vsessiumnoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii, Seriia 1, no.12).

(Atomic warfare)

GHLSH J, A., (Col, Docent, Candidate of Technical Sciences)

Author of article, "Atonic Teapens and Antiatoric Defense." Part 3, "Descrivation of Contaminated Areas," concerned the deactivation of areas which have become contaminated as a result of an atomic borb explision. The article of relation that, unlike gas, radio-active contamination cannot be eliminated with chemical agents, but the material can be rendered harmless by washing or by covering with a none of a limited of terial. He state i that before decontamination reasures are taken, a thorough radiation recommaissance should be undertaken, for the amount of radiation is not the same everywhere, and safe passages for troops by possibly be found. He discussed the use of graders, of buildozers, to clear paths through radioactive areas, and pointed but the danger of gard rays even at considerable distances, stating that earth cleared from a contaminated area should be covered over with another layer of uncontaminated earth. Also discussed were measures to insure the safety of personnel engage in decontamination work, and the problems encountered in deactivating dugonts and trenches.

(Krasnaya Zvezda, "oscow, 28 Aug \*4")

SO: SUM 265, 10 N v 1954

GLUSHICE AT

# PHASE I BOOK EXPLOITATION 604

Glushko, Aleksey Petrovich, Colonel, Candidate of Technical Sciences, Docent;
Markov, Leonid Kuz'mich, Lieutenant Colonel, Candidate of Technical Sciences,
Docent; and Pilyugin, Lev Pavlovich, Lieutenant Colonel, Candidate of
Technical Sciences, Docent

Atomnoye oruzhiye i protivoatomnaya zashchita (Atomic Weapons and Atomic Defense) Moscow, Voyen. izd-vo M-va obor. SSSR, 1958. 391 p. No. of copies printed not given.

Ed. (title page): Olisova, B. A.; Ed. (inside book): Kader, Ya. M.; Consultants of Publishing House: Sedov, A. I., Engineer-Lieutenant Colonel, Candidate of Technical Sciences, Mikhaylov, V. A., Engineer-Lieutenant Colonel, Candidate of Technical Sciences, Docent; Tech. Ed.: Mednikova, A. N.

PURPOSE: The book is intended for the personnel of Soviet armed forces and members of the DOSAAF.

Card 1/8

#### "APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420014-9

Atomic Weapons and Atomic Defense

604

COVERAGE: The book is an outline of atomic warfare problems and of principles of anti-atomic defense. An introduction to nucleonics precedes the actual treatment. A rather thorough description of atomic and hydrogen bombs is given (with diagrams), but no reference is made as to their origin. Among other things the authors mention that Soviet-made hydrogen bombs contain a relatively small amount of nuclear matter to achieve the desired effect. Atomic damage to buildings is demonstrated on the example of Hiroshima and Magasaki. Theory and data on luminous radiation and its effects are partially based on A. P. Arkhipov and A. V. Kozlova-Ye. I. Vorob'yev; other references in this chapter are English (or Russian translations from English). The vable on linear coefficients of gamma attenuation is based on the books by K. K. Aglintsev and A. I. Ivanov. A number of building materials is analyzed with respect to thickness and their attenuation capacities are stated. The mathematical formulation of the process of attentuation is calculated for the energy ranges of 1.29 and 2.5 Mev. The subchapter on neutrons surveys the biological effects of neutrons and their dissipation and capture. Figures, however, are scarce. Reference is made to B. H. Tarusov in discussing the radiobiological action of gamma rays, neutrons, etc. The enumeration of the most frequently occurring radiation injuries is taken from the study by A. ... Kozlova-Ye. I. Vorob'yev. In this connection the authors mention also the Sovtet report at the Geneva Conference in 1956. The subject of radiobiology is further expanded in the subchapter Card 2/3

#### "APPROVED FOR RELEASE: 09/24/2001

CIA-RDP86-00513R000515420014-9

Aromi: Weapont and Atomic Defense

60-

contamination effects and their dependence on the type of explosion. Here the enthers refer to a collection of article (Sbernik deystriy izlucheniy), prepages on this subject in 1954. Data on fission products and their radioantivity are ordiently foreign. Only the table on radiation of unreacted nuclei quotes I. I. Seling as source. Figures and theory on independ radiation have V. F. Syrnev-W. F. Petrov as their source. General principles of area contaminwhich are cased on A. I. Ivanov's book. The authors analyze and pertially evaluate cavaral types of safety measures and precautions to be taken in the field and discuss a number of natural and manmade shelters. Diagrams and appositions of manmade shelters (trenches) are available and their resistivity in larget. Theoretical premises of their resistance capacities are based on the Kers a proticleniva materialov by Filonenko-Borodovich et al. (1956). Prestruct a maping and rich oker uses a company this chapter. The last two enesters deal with radioactivity measurement in the field. The authors depositive and give diagrams of several dusimeters, radiation maters and resurgenqueters. Pradicial (non-selentific) decontemination measures are the cased and tirest-end principles reviewed. There are 100 figures, 12 tables und 27 references in the text 24 of which are Soviet including 7 translations tirm Moglish or French, 2 English, and 1 French.

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